

3/9/1

DIALOG(R)File 351:Derwent WPI

(c) 2002 Thomson Derwent. All rts. reserv.

012970872

WPI Acc No: 2000-142721/200013

XRAM Acc No: C00-044708

Polylactic acid composition - and molding

Patent Assignee: SHIMADZU CORP (SHMA); YASUHARA CHEM KK (YASU-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|-------------|------|---------|----------|
| JP 2000007903 | A | 20000111 | JP 98178503 | A | 1998062 | 200013 B |

Priority Applications (No Type Date): JP 98178503 A 19980625

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|---------------|------|--------|-------------|--------------|
| JP 2000007903 | A | 6 | C08L-067/04 | |

Abstract (Basic): JP 2000007903 A

NOVELTY - A polylactic acid composition is prepared by mixing 1-100 pt. wt of terpene phenol copolymer in 100 pt. wt. of lactic acid polymer. DETAILED DESCRIPTION - The terpene phenol copolymer is cyclic terpene phenol copolymer, cyclic terpene/phenol 1mol/2/mol adduct, polycyclic terpene/phenol 1 mol/2 mol adduct, cyclic terpene/phenol 1 mol/ 1 mol adduct, and polycyclic terpene/phenol 1 mol/1 mol adduct. The cyclic terpene/phenol 1 mol/2 mol adduct has the structure represented by a formula (1) or a formula (2), and cyclic terpene/phenol 1 mol/1 mol adduct has the structure represented by a formula (3) or a formula (4): R1, R2, R3, R4 = optionally same as each other and is H or a methyl gp.

USE - None.

ADVANTAGE - The transparent lactic acid polymer is superior in heat resistance and free from the whitening caused by crystallization even at a temp. higher than glass transition point.

Dwg.0/0

JP 2000007903 A

NOVELTY - A polylactic acid composition is prepared by mixing 1-100 pt. wt of terpene phenol copolymer in 100 pt. wt. of lactic acid polymer. DETAILED DESCRIPTION - The terpene phenol copolymer is cyclic terpene phenol copolymer, cyclic terpene/phenol 1mol/2/mol adduct, polycyclic terpene/phenol 1 mol/2 mol adduct, cyclic terpene/phenol 1 mol/ 1 mol adduct, and polycyclic terpene/phenol 1 mol/1 mol adduct. The cyclic terpene/phenol 1 mol/2 mol adduct has the structure represented by a formula (1) or a formula (2), and cyclic terpene/phenol 1 mol/1 mol adduct has the structure represented by a formula (3) or a formula (4): R1, R2, R3, R4 = optionally same as each other and is H or a methyl gp.

USE - None.

ADVANTAGE - The transparent lactic acid polymer is superior in heat resistance and free from the whitening caused by crystallization even at a temp. higher than glass transition point.

Dwg.0/0

Title Terms: ACID; COMPOSITION

Derwent Class: A23

International Patent Class (Main): C08L-067/04

File Segment: CPI

Manual Codes (CPI/A-N): A05-E02; A05-J; A07-A03A; A08-A04; A09-A01A
Polymer Indexing (PS):

<01>

001 018; R00009 G2108 D01 D11 D10 D50 D60 D83 F27 F26 F36 F35; P1978-R
P0839 D01 D50 D63 F41; S9999 S1434

002 018; P0624 P0033 P0044 D01 D18 F30; H0011-R; S9999 S1285-R

003 018; ND04; K9745-R; B9999 B4397 B4240; B9999 B4773-R B4740; B9999
B5618 B5572; K9870 K9847 K9790

?